

JOHN DEERE
DRAWN **TOOL**
CARRIERS



Strong and adaptable—
built for fast, economical,
crop-boosting tillage

Durable, dependable, easy-to-

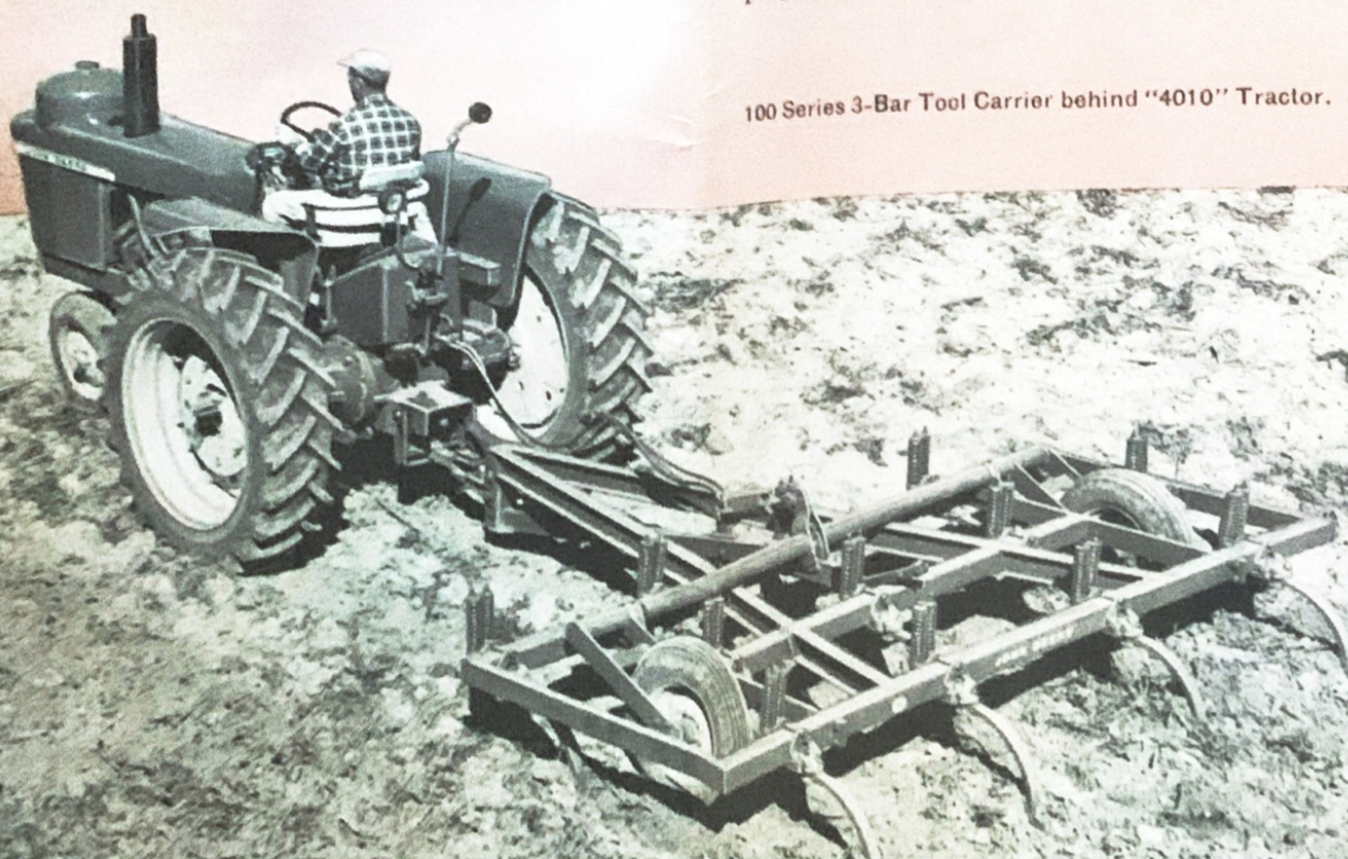
**for seedbed preparation,
stubble-mulch cultivation,
erosion control,
and other jobs**

John Deere Drawn Tool Carriers are among the most useful and versatile of agricultural implements. They have no "off season"—they're productive from spring thaw until fall freeze-up. On many farms they are the basic tillage implement.

Spring, summer, and fall

Operations for which John Deere Drawn Carriers are ideally suited include seedbed preparation, stubble-mulch and summer-

100 Series 3-Bar Tool Carrier behind "4010" Tractor.



handle tool carriers

fallow tillage, roughing fields to reduce erosion and increase moisture absorption, eradicating such persistent weeds as quackgrass, heavy-duty field cultivating, renovating alfalfa and pasture land, subsurface cultivating, and shallow subsoiling.

Wide choice of tools

Among reasons for such versatility is the wide selection of good-working tillage tools—sweeps, shovels, spikes, and chisels—available in many types and sizes from your John Deere dealer. Carefully designed, and made of top-quality steel, these tools give long, good, low-cost service.

Planting and fertilizing

Some of the carriers described in this booklet also provide ideal basic frames for John Deere unit-type planters, and for fer-

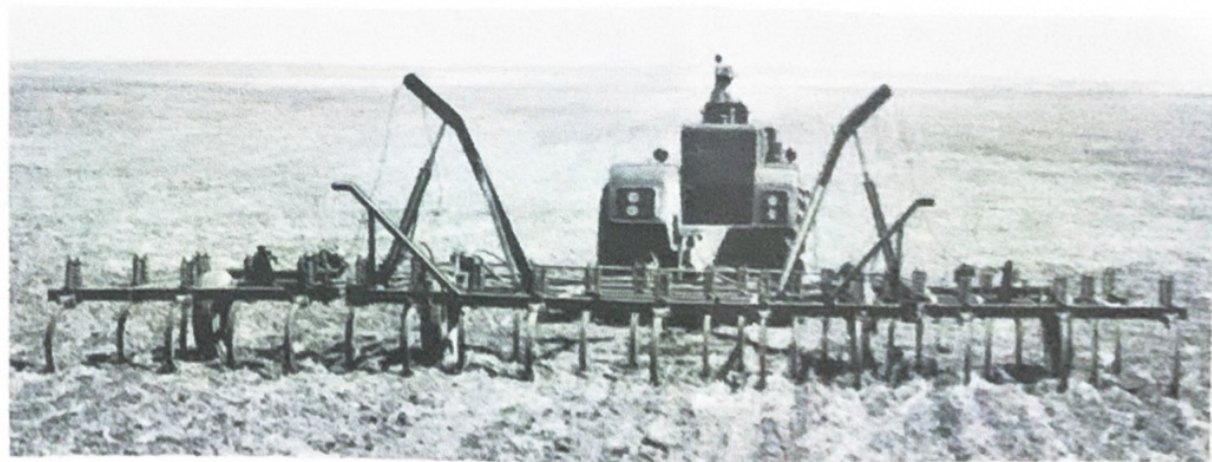
tilizing while planting. This added utility can save you a substantial part of the cost of separate implements.

A carrier for every need

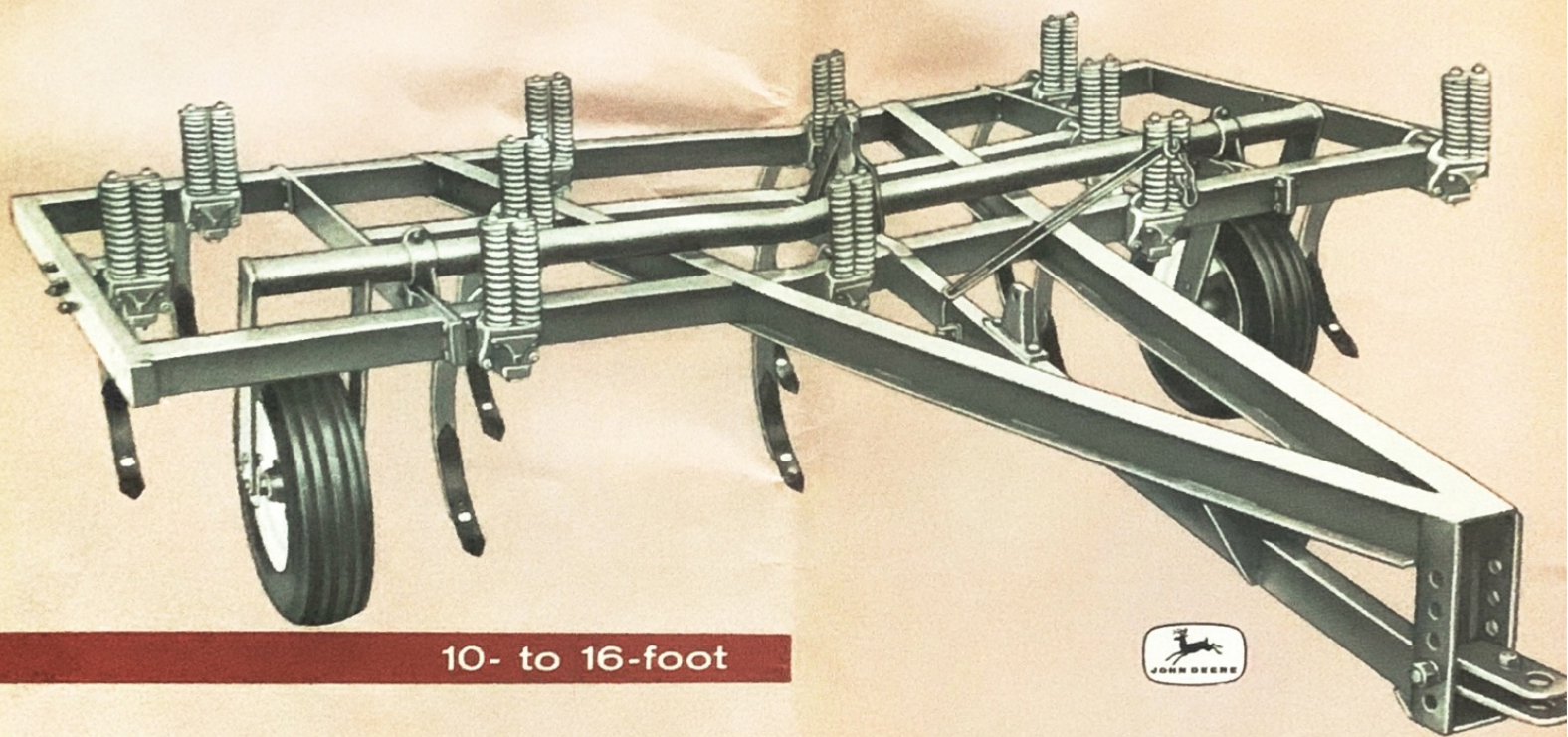
There's a truly complete selection of John Deere Drawn Carriers—all the way from handy 8-foot single-bar implements to the big 300 Series triple-bar 37-footer. One thing, however, applies to them all: they are strong, durable, and dependable—built to assure you of the greatest possible value from every single dollar of cost.

Take your time in looking through this booklet. Compare special features of various John Deere Drawn Carriers, and check them against your specific requirements. Then see your John Deere dealer about getting one of the most useful agricultural implements you'll ever own.

The 300 Carrier (shown here with "8010" Tractor) is available in 31- to 37-foot sizes.



Strong, rigid, functional 100



10- to 16-foot



Few implements have earned such immediate farmer acceptance as the John Deere 100 Series Drawn Tool Carrier. Despite comparatively recent introduction, thousands already are in use. Perhaps one reason is that this carrier seems ideally fitted to needs of farmers who are using modern stubble-mulch tillage practices.

"Beef" without bulk

The John Deere 100 has high strength-to-weight ratio—"beef" without excessive bulk. Frame bars are torsion-resistant, 4x4-

inch, welded square tubing. The full-span, A-frame, I-beam hitch is securely welded to these bars to provide maximum rigidity. The rockshaft is made of shock-resistant, 3-1/2-inch tubular steel. You don't pay for weight you don't need when you select this exceptionally husky carrier.

Ample clearance

The John Deere 100 has clearance to spare. Three frame bars and diagonal tooth spacing provide plenty of trash-shedding "roominess" even when the teeth have 12-

series

inch working interval. There are no under-frame projections to catch trash.

No-swerve trailing

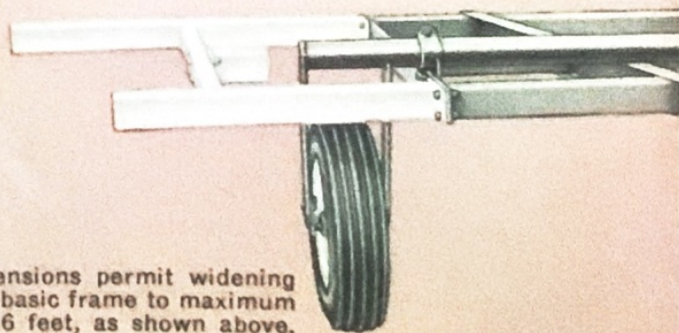
Try the John Deere 100 in the field and you'll note how it holds to its work—trails straight, without swerving. That's a result of rigid construction, the long hitch, and balanced draft and weight. The balanced weight has another advantage—easy hook-up, without heavy lifting.

You can "work up"

This husky carrier is expandable. It is available in 10-, 12-, 14-, and 16-foot sizes. You can start with a 10- or 12-foot size, if you wish, and "work up" to 16 feet, if your needs should change, by adding frame extensions, standards, and teeth.

Roller-bearing wheels

Carrying wheels are double-supported and run on heavy-duty roller bearings. Four types of standards are available, flat cushion spring (shown on 12-foot carrier at left), flat spring, stiff, and subsurface.



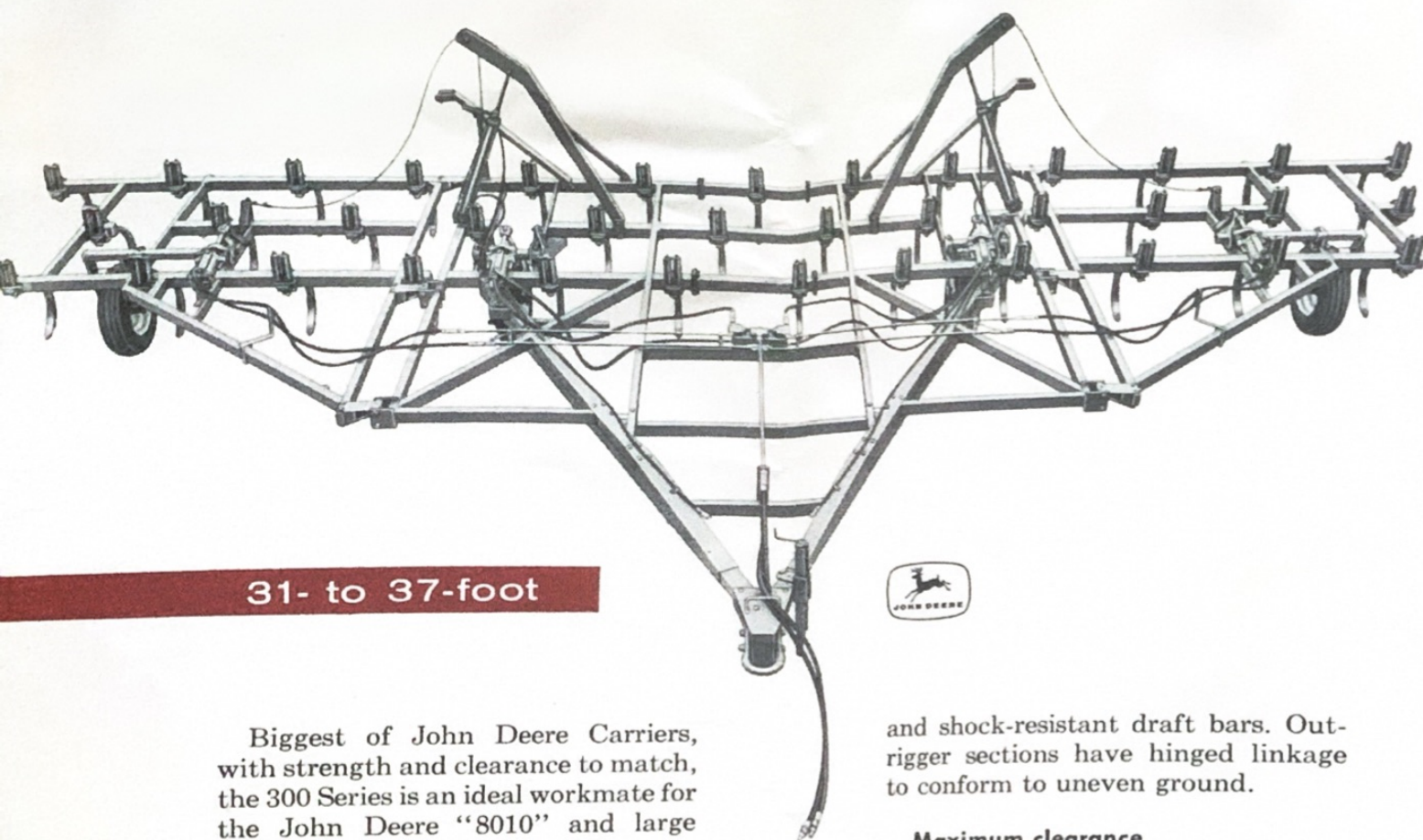
Extensions permit widening the basic frame to maximum of 16 feet, as shown above.

SPECIFICATIONS

(Subject to Change Without Notice)

Type	100 Series Drawn Tool Carrier, 10-, 12-, 14-, and 16-foot; smaller sizes expandable to 16-foot maximum by adding frame extensions and standards.
Frame	4x4-inch square-tube bars with full-span, A-frame, I-beam hitch and 3-1/2-inch tubular rockshaft; welded construction.
Lift	Hydraulic; for remote cylinder with 8- or 12-inch stroke.
Wheels	Disk-type, for but less 6.70x15 tires, regular, for but less 7.60x15 tires, special, with 4- or 6-ply implement tires and tubes, special; double tapered heavy-duty roller bearings, regular.
Standards	Flat spring, flat cushion spring, stiff, or subsurface.
Tools	Choice of (depending on standards) 6- to 18-inch heavy-duty sweeps, 8- to 18-inch wheatland sweeps, 14- or 16-inch high-crown wheatland sweeps, 6- to 14-inch wheatland special sweeps, 30-inch subsurface sweeps, 1-1/2x12-, 2x14-, or 2x16-inch reversible chisel points, 2x16- or 3x16-inch double-point chisels, 4x14-inch double-point shovels, 2x14- or 2x16-inch heavy-duty spikes, 4- to 6-inch beavertail shovels, and 6- to 10-inch furrow openers.
Special Equipment	Drawbar for pulling rod weeder or grain drill behind carrier; hand-lift screw crank for use instead of hydraulic remote cylinder.

Big-capacity, trash-shedding



31- to 37-foot

Biggest of John Deere Carriers, with strength and clearance to match, the 300 Series is an ideal workmate for the John Deere "8010" and large crawler tractors. Interchangeable outriggers of various widths, plus the 15-foot center section, provide a range of working widths of from 31 to 37 feet.

Torsion-resistant frame

Main frame bars of the husky 300 are made of torsion-resistant, 4x4-inch square tube steel. They are held in rigid alignment by a wide-span, cross-braced, A-frame hitch

and shock-resistant draft bars. Out-rigger sections have hinged linkage to conform to uneven ground.

Maximum clearance

Exceptional clearance helps to assure steady good work in trashy conditions. Working pattern of the standards is only 12 inches, but they are spaced 36 inches apart on the bars, which themselves are 36 inches apart, providing the greatest trash-passing clearance of all tool carriers made. The underside of the frame is clean—there are no trash-trapping projections.

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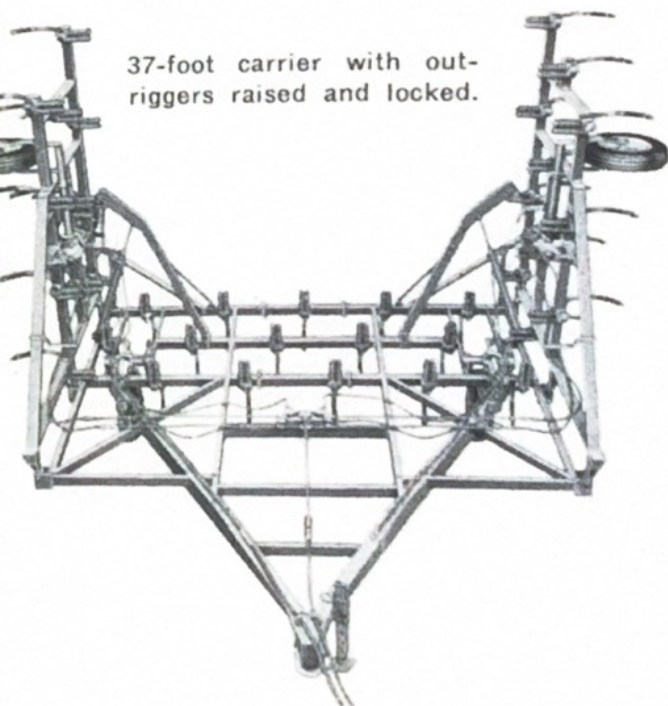
Heavy-duty wheels with 7.50x16 8-ply tires and double axle support ride on heavy-duty, anti-friction bearings.

Simultaneous lift

Each of the four wheels has its own tubular rockshaft and remote hydraulic cylinder (removable for use on other implements). The cylinders are actuated through a flow divider valve for simultaneous lift. Hydraulic power also raises outrigger sections to transport position when the 300 is used with the "8010" and other tractors with high-pressure hydraulic systems. Cable-lift hoists are available for low-pressure systems and crawler tractors.

Cushion-spring standards

Flat cushion-spring standards made of high-carbon steel are regular equipment. Two strong compression springs protect each standard from damage in rocky soils.



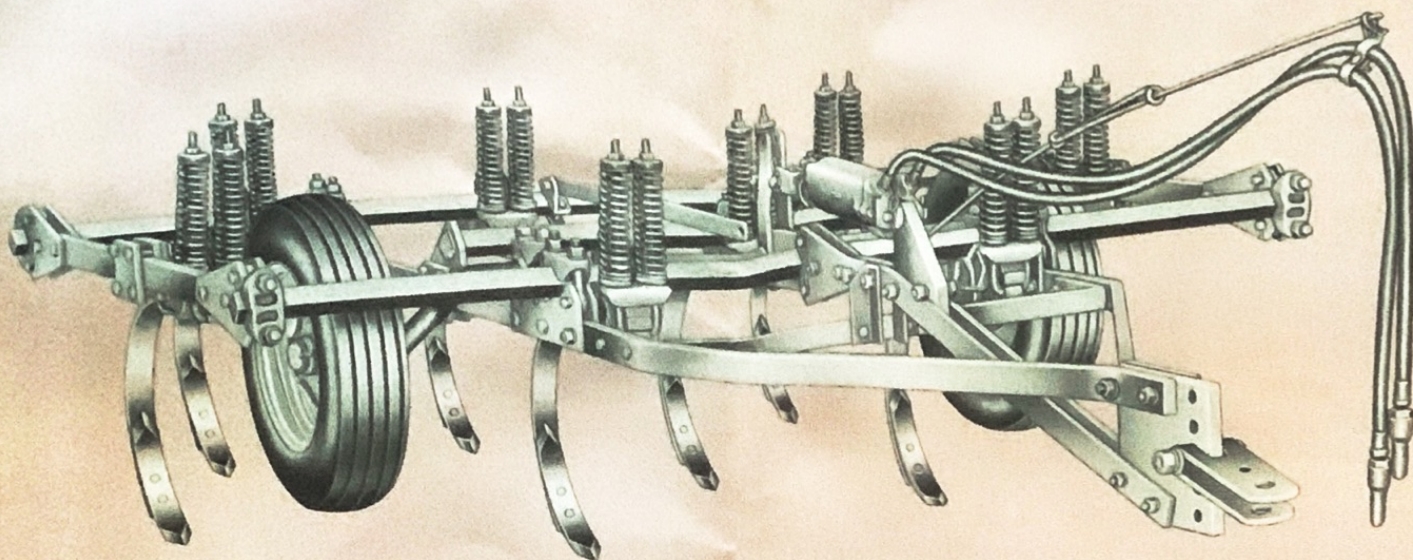
37-foot carrier with outriggers raised and locked.

SPECIFICATIONS

(Subject to Change Without Notice)

Type	300 Series Drawn Tool Carriers, 31 to 37 feet; 15-foot center section with 8- to 11-foot interchangeable outriggers.
Frame	4x4-inch square tube bars with wide-span, cross-braced, A-frame hitch and shock-resistant draft bars. Welded assembly. Frame bars 36 inches apart for maximum trash clearance.
Lift	Hydraulic; each wheel has tubular rockshaft with 4x8-inch (removable) hydraulic cylinder; flow divider valves provide simultaneous lift.
Wheels	Disk-type; double axle support; heavy-duty anti-friction bearings; 7.50x16 8-ply tires.
Transport	Carriers for tractors with high-pressure hydraulic systems have two long-stroke hydraulic cylinders to raise outriggers for transport; cable hoist for other tractors; both types lock for transport.
Standards	Flat cushion-spring; 12-inch working interval; spaced 36 inches apart on bars.
Tools	6- to 18-inch heavy-duty sweeps, 8- to 18-inch wheatland sweeps, 14- or 16-inch high-crown wheatland sweeps, 6- to 14-inch wheatland special sweeps, 1-1/2x12-, 2x14-, or 2x16-inch reversible chisel points, 2x16- or 3x16-inch double-point chisels, 4x14-inch double-point shovels, 2x14- or 16-inch heavy-duty spikes, 4- to 6-inch beaver-tail shovels, and 6- to 10-inch furrow openers.

Husky, reliable 650 and 650

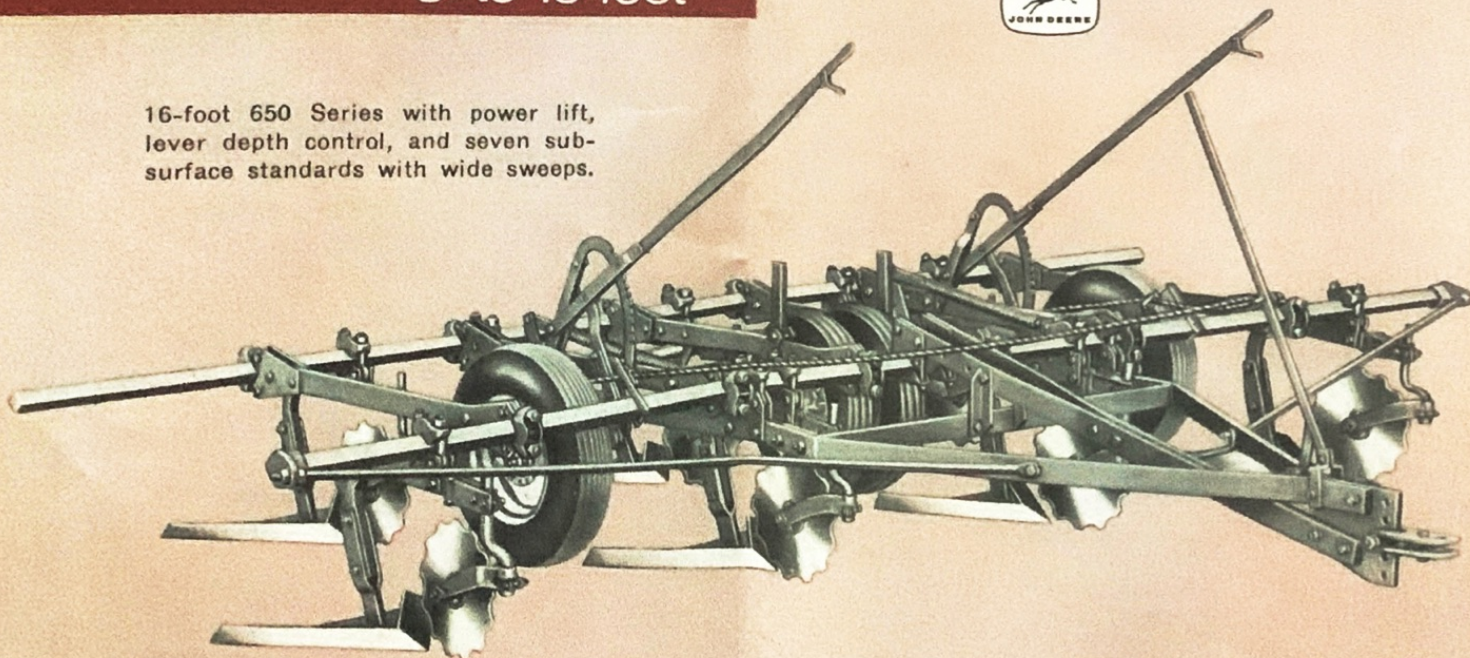


658H with stub bars and eight flat cushion-spring standards; note obvious strength of A-frame hitch.

8- to 16-foot



16-foot 650 Series with power lift, lever depth control, and seven sub-surface standards with wide sweeps.



I series

If you own a "2010," "530," "520," or larger current or recent John Deere Tractor, 650-658H Series Carriers deserve your most careful consideration.

Strong and adaptable

These carriers are strong, reliable, convenient, and the most adaptable in the entire John Deere line. You can use five types of standards, with the widest choice of interchangeable tools (see specifications) of all John Deere Carriers. These versatile implements also provide ideal basic frames for various John Deere planting and fertilizing attachments, and for such equipment as disk gangs, disk hillers, and knife cultivating attachments.

The dependable 650 is available in 10-, 12-, and 16-foot sizes, with hydraulic lift and depth control or clutch lift and lever depth control. It has 2-1/4-inch square steel bars. The handy 658H Carrier has hydraulic lift and depth control and 2-inch bars. Frames of both types are held in rigid alignment by husky tie bars and the cross-braced, A-frame hitch.

Ample trash clearance

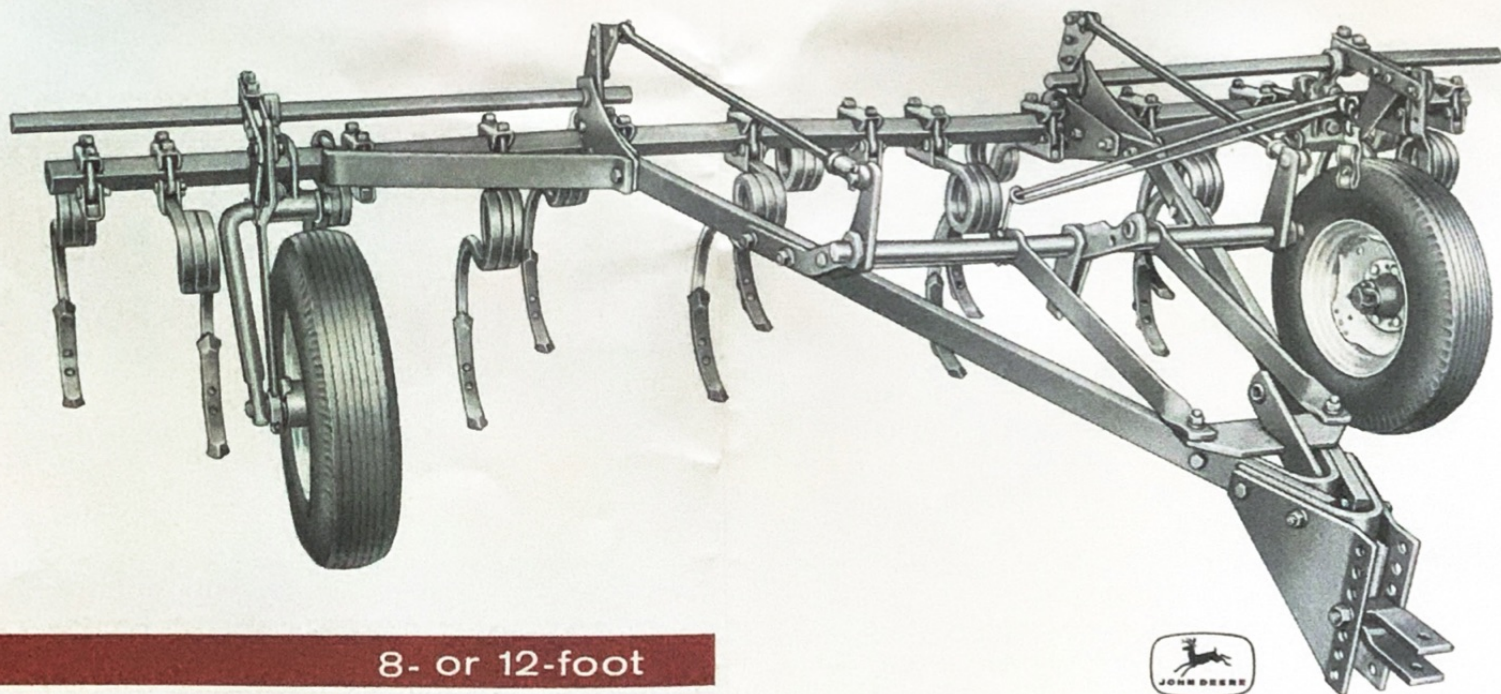
Main tool bars are 56 inches apart. This provides 28-inch fore-and-aft clearance when stub bars are used for mounting three rows of standards. Stiff and coil-spring standards are available in front and rear types (see page 16), for further increase in clearance. Stub bars are attached to the adjustable tie bars, thus providing any desired tooth pattern with three rows of standards.

SPECIFICATIONS

(Subject to Change Without Notice)

Types	650 Series, two 2-1/4-inch 10-, 12-, or 16-foot bars (20-foot, special) with hydraulic lift and depth control or power lift and lever depth control; 658H Series, two 2-inch 8-foot bars (10-foot front bar, special) with hydraulic lift; stub bars for either type for 3-bar utility.
Frame	Square tool bars spaced 56 inches by adjustable tie bars and full-span, cross-braced, A-frame hitch; heat-treated solid steel rockshaft.
Wheels	Disk-type; for but less 6.70x15 tires; precision-type tapered roller bearings.
Standards	Choice of subsurface, stiff, flat spring, flat cushion spring, or 1-1/4-inch coil spring.
Tools	Choice of (depending on standards) 4-1/2- to 14-inch regular sweeps, 6- to 18-inch heavy-duty sweeps, 8- to 18-inch wheatland sweeps, 14- or 16-inch high-crown wheatland sweeps, 6- to 14-inch wheatland special sweeps, 30- or 36-inch subsurface sweeps, 1-1/2x11-3/8-, 1-1/2x12-, or 2x14- or 16-inch chisel points, 2- or 3x16-inch double-point chisels, 4x14-inch double-point shovels, 2x14- or 16-inch heavy-duty spikes, 4-, 5-, or 6-inch beavertail shovels, and 6-, 8-, or 10-inch furrow openers.
Planting	
Attachments	Various John Deere unit-type planters; see your John Deere dealer.
Special Equipment	Hand-screw lift jack for use in place of hydraulic cylinder; 17-inch cutout or 18-inch plain coulters; drawbar for pulling rod weeder or drill behind 650 Series; hinge brackets for squadron hitches of 650 Series; gauge wheels (for but less 5.90x15 tires) for 650 Series.

Versatile, economical 900



8- or 12-foot

John Deere 900 Series Tool Carriers are field-proved, long-time favorites in many agricultural areas. They are strong, convenient, and moderately priced considering their exceptional utility.

Twist-resistant bar

The single tool bar of the 900 Carrier is 2 inches square in 8-foot length and 2-1/4 in 12-foot. Clamp-type construction (no welding) on the 12-foot bar permits use of twist-resistant, high-carbon steel. The bar

gains further rigidity from the cross-braced, A-frame hitch. The hitch is designed to assure straight trailing, and has ample adjustment for tractor drawbar height.

Choice of standards

Three kinds of standards are available, 1- or 1-1/4-inch double coil spring, stiff, and subsurface. Coil spring and stiff standards are made in front and rear types (see page 16) for increased clearance between tools to let trash slip through.

series

There's an excellent choice of equipment for the three types of standards—4-1/2- to 36-inch sweeps, reversible chisel points and shovels, and such specialized tools as beaver-tail shovels, furrow openers, and other types your John Deere dealer will be glad to discuss with you.

Planting attachments

Be sure, also, to ask your dealer about planting attachments. You may save yourself much of the cost of a separate, complete implement, for the 12-foot 900 Series Carrier provides an ideal basic frame for using John Deere PA300, 70, 23R, 24B, and 25B Series unit-type planters.

All of these planters drive from the press wheels, and all offer a wide selection of openers, coverers, seed plates, and other optional equipment. An insecticide applicator may be used with PA300 Series Planters to combat such pests as wireworms.

Fertilize while planting

Dry and liquid fertilizer attachments are available for 24B and 25B Planters, and 2- and 4-row fertilizing equipment (driven from the carrier's gauge wheels) is available for use with PA300 Planters.

Three types of lift

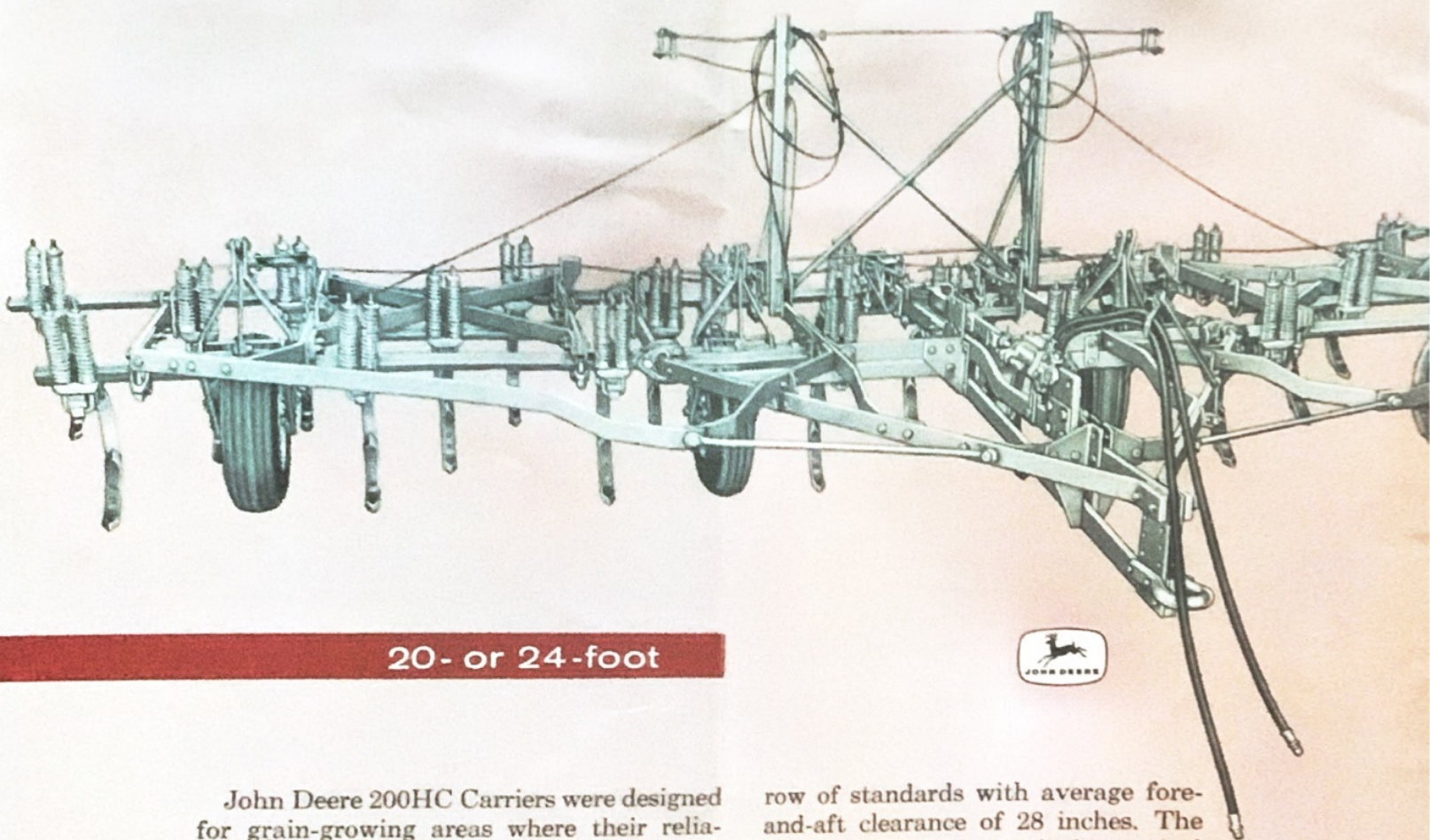
John Deere 900 Series Carriers are available with handy hydraulic lift and depth control, with enclosed clutch lift and lever depth control, or with spring-balanced manual lift. A hand-screw lift jack may be used instead of the hydraulic cylinder.

SPECIFICATIONS

(Subject to Change Without Notice)

Type	900 Series; hydraulic, clutch, or manual lift; single square tool bar, 2-inch by 8-foot, or 2-1/4-inch by 12-foot.
Frame	High-carbon steel bar with clamp-type, cross-braced, adjustable hitch.
Wheels	Steel wheels with or without lugs, or disk-type wheels with precision-type roller bearings, for but less 5.50x16, 5.90x15, or 6.70x15 tires; 4-ply tires and tubes, special.
Standards	Choice of 1- or 1-1/4-inch double coil spring, stiff, or subsurface with or without 17-inch cutout or 18-inch plain coulters.
Tools	Choice of (depending on standards) 4-1/2- to 14-inch regular sweeps, 6- to 18-inch heavy-duty sweeps, 6- to 18-inch wheatland sweeps, 6- to 14-inch wheatland special sweeps, 30- or 36-inch subsurface sweeps, 1-1/2x 11-, 1-1/2x11-3/8-, 1-1/2x12-, 2x 14-, or 2x16-inch chisel points, 2- or 3x16-inch double-point chisels, 4x14-inch double-point shovels, 4-, 5-, or 6-inch beavertail shovels, and 6-, 8-, or 10-inch furrow openers.
Planting	
Attachments	PA300, 70 Flexi-Planter, 23R, 24B, and 25B (all with press-wheel drive), special.
Fertilizing	
Equipment	2- or 4-row, special; also dry or liquid fertilizer attachment for 24B or 25B unit-type planters.
Special	
Equipment	Disk marker, insecticide attachment, safety-release hitch, hand-screw lift jack for use instead of hydraulic cylinder, auxiliary gauge wheels (steel or with or without 5.90x15 implement tires and tubes), and disk gang and other special tillage equipment.

Flexible, fast-working 200HC



20- or 24-foot

John Deere 200HC Carriers were designed for grain-growing areas where their reliability and big capacity provide the cost-cutting, time-saving efficiency so important in modern agriculture. They combine rugged strength with plenty of clearance for steady good work in trashy conditions.

Ample clearance

Front and rear bars of these carriers are 56 inches apart. Stub bars carry the middle

row of standards with average fore-and-aft clearance of 28 inches. The standards provide 22-inch vertical clearance. All frame members are attached above the tool bars—none “sticks down” to catch trash.

Lateral flexibility

The center section of the carrier is 8 feet wide. Outriggers are 6 or 8 feet wide (depending on carrier size) and have flexible

eries

linkage. This construction has two advantages: the entire carrier has good conformity to rolling land; second, the carrier has narrow transport width when the outriggers are locked in their raised position.

Husky construction

The A-frame hitch and outriggers are rigidly braced. Full-span draft bars to extremities of the outriggers prevent lag. The extra-strong wheels have double support and ride on heavy-duty roller bearings. The

clevis plate has ample adjustment to conform to tractor drawbar height.

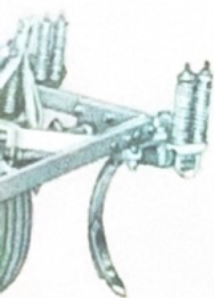
Wide choice of tools

These carriers are available with flat spring or flat cushion spring standards made of 1x2-inch high-carbon steel. Two compression springs guard cushion spring standards from damage in rocky conditions. There's an excellent selection of working tools for various kinds of tillage.

Cables from a single remote cylinder provide hydraulic lift. Depth is controlled by adjustable stop bars and a stop block.

Cable hoist

Special equipment includes a cable hoist (shown on 24-foot carrier in photograph) for use with crawler tractors. Outriggers are raised one at a time, by hooking the hoist cable to the tractor track, driving forward until the outrigger is in transport position, and locking it.



SPECIFICATIONS

(Subject to Change Without Notice)

Type	200HC Series Drawn Tool Carrier, 20- or 24-foot (8-foot center section with 6- or 8-foot outriggers).
Frame	2-1/4-inch square tool bars; cross-braced outriggers; cross-braced A-frame hitch with full-span draft bars to outriggers; heavy-duty rigid hitch clevis; all frame members above tool bars; flexible outrigger linkage; front and rear tool bars spaced 56 inches.
Wheels	Four disk-type, heavy-duty, double-supported wheels, for but less 7.60x15 6-ply implement tires; tires and tubes, special; heavy-duty roller bearings.
Standards	Flat spring or flat cushion spring; 1x2-inch high-carbon steel; provide 22-inch vertical clearance.
Tools	2x14-inch reversible chisel points, regular; also choice of 6- to 18-inch heavy-duty sweeps, 8- to 18-inch wheatland sweeps, 14- or 16-inch high-crown wheatland sweeps, 6- to 14-inch wheatland special sweeps, 1-1/2x12- or 2x16-inch reversible chisel points, 2x16- or 3x16-inch double-point chisels, 4x14-inch double-point shovels, 2x14- or 16-inch heavy-duty spikes, 4- to 6-inch beavertail shovels, and 6- to 10-inch furrow openers.
Lift	Hydraulic cable lift (requires 8-, 12-, or 16-inch-stroke remote cylinder); cable hoist (shown in photograph) to raise outriggers for transport, special.

Tough, long-wearing tools

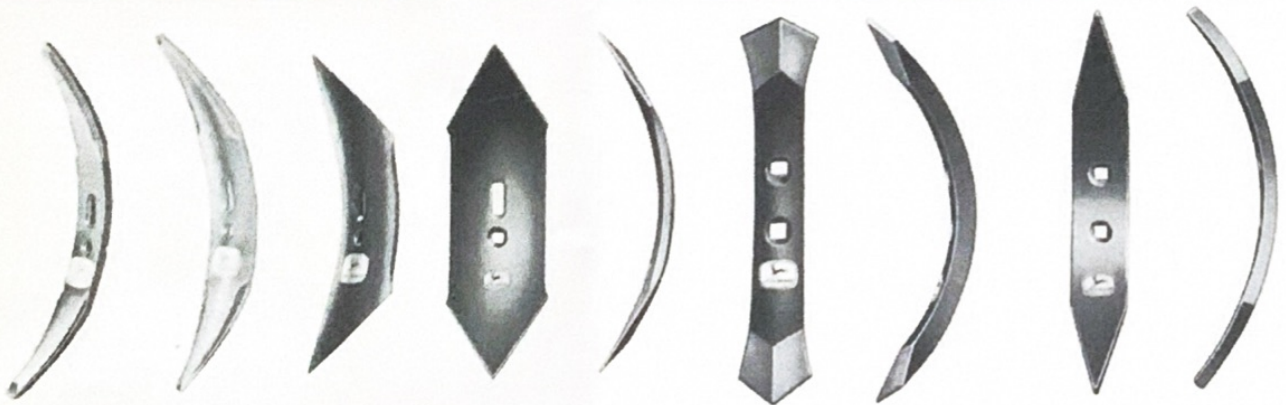


Wheatland (top two) and wheatland special sweeps (center and bottom). Wheatland sweeps have wrap-around shanks for best fit to the standard. Wheatland special sweeps are the toughest and sturdiest in the John Deere line, with low wing angle, low crown, and precise "suck" for most positive penetration.

Among various reasons for the excellent work, low operating cost, and all-around good performance of John Deere Drawn Tool Carriers is the high quality of John Deere sweeps, shovels, chisels, and other interchangeable working tools.

High-carbon steel

John Deere sweeps, for instance, are made of high-carbon steel and heat-treated for toughness and durability. They are surface-conditioned to take land polish quickly, are bottom-beveled to maintain sharpness, and are uniform in fit and quality. Various types and sizes are available—you can fill your needs and preference exactly.



Double-pointed chisels (first two at left, above) have forged indentations which maintain sharpness as wear occurs. Double-pointed shovels (next three) roughen and groove the soil, also killing weeds. Chisel points

(next two) and spikes (at right) rip through shallow hardpan, opening the soil for water penetration and storage. All of the tools shown above are reversible for double service.

for good, thorough, low-cost work

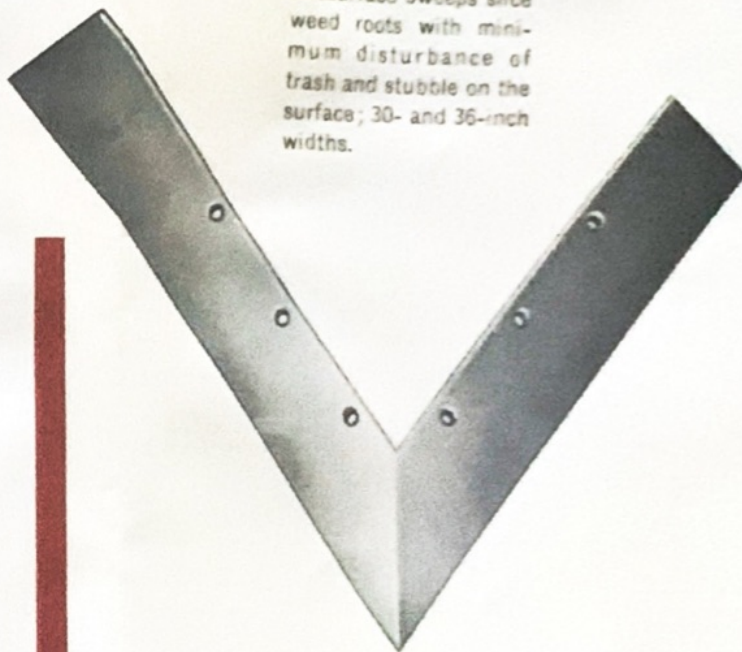
Maximum wear

Chisels, spikes, and shovels (reversible for double service) are made of high-carbon forging steel and heat-treated for maximum wear. They're available in various widths, lengths, and thicknesses so you can choose the ones best suited to your particular requirements.

See your John Deere dealer

Some of the more popular types of John Deere tillage tools are shown and described briefly on these pages. Your John Deere dealer, who is familiar with soil conditions in your area, will be glad to give you additional information on these and other types.

Subsurface sweeps slice weed roots with minimum disturbance of trash and stubble on the surface; 30- and 36-inch widths.



Beavertail shovels are used with stiff standards to groove and roughen the soil for stubble-mulch cultivating in dry conditions; 4- to 6-inch sizes.



Furrow openers also are used with stiff standards for roughening and grooving the soil to improve water absorption and to help control wind erosion.



Heavy-duty standards for stubborn soils, deep tillage

All John Deere Tool Carrier standards are made of high-carbon steel, heat-treated for maximum toughness and durability, and in dimensions which long field experience has proved most satisfactory.

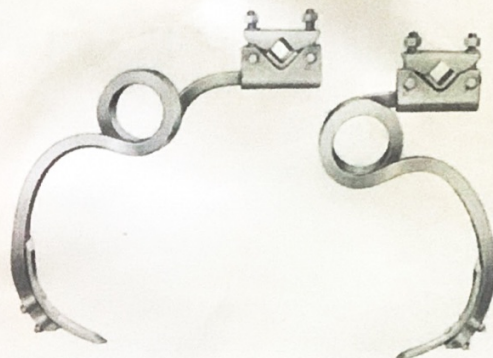
Vibrant action

Coil spring, flat spring, and flat cushion spring standards have vibrant action which increases their weed killing and soil fracturing action. Stiff and subsurface standards are rigid, to handle the heavier draft tools for which they are intended.

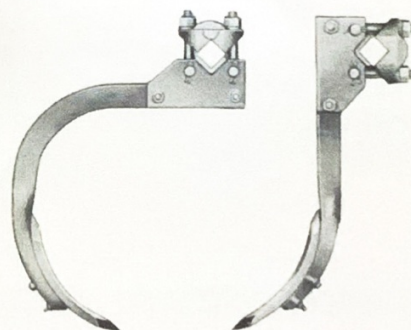
Increased clearance

Coil spring and stiff standards are made in front and rear types for added fore-and-aft clearance to assure steady work in the most trashy conditions. Subsurface standards have friction-type safety trips.

Flat spring standards are made of 1x2-inch steel; the cushion type is best for rocky soil conditions.

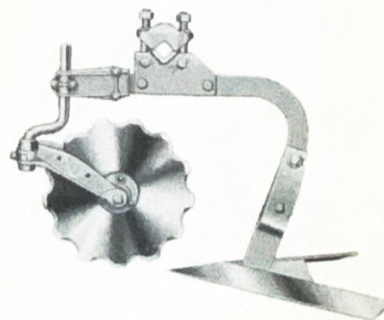


Coil spring standards are made in 1- and 1-1/4-inch sizes, of square steel stock.



Both stiff (above) and coil spring standards are made in front and rear types.

Subsurface standards are available with cutout (shown below) or plain coulters.



Get extra dividends with accurate, reliable planting and fertilizing attachments

John Deere 650, 658H, and 900 Series Carriers provide ideal basic frames for several John Deere unit-type planters. This added utility can save you a substantial part of the cost of a separate lister or planter.

The illustration shows a John Deere 900 Series Carrier with PA300 Series unit-type planters (press-wheel drive) and 64 Series Fertilizing attachment. Ask your John Deere dealer for details about these, 70 Series Flexi-Planters, and 23R, 24B, and 25B unit planters.

